

No time for your own conjugate syntheses?

We will be glad to custom label any protein conjugate you need. Put our expertise to work – save time, money – and frustration!

Procedure

Send your antibody (from 0.05 mg to 1 mg) from your lab or arrange a delivery directly to us from the supplier of your choice. Please make sure that the antibody solution is free of any other proteins, including ascites supernatant and bovine serum albumin, as those compounds will interfere with the dye coupling. Antibody purification is available on request.

Our Service

First, we concentrate the protein and change buffer if necessary. Next, we separate low molecular weight compounds and amines, e.g. sodium azide or TRIS buffer, which might interfere with the coupling reaction.

Your antibody is coupled via accessible lysine groups using succinimidyl activated Oyster[®]-fluors. The conjugate is purified from excess of dye and concentrated. The degree of labeling (DOL, molar ratio fluorescent dye to antibody) is usually between 1 and 6. This information will be sent back to you with your custom-labeled antibodies.

We recommend the following dyes for labeling

Dye	Reactivity	Excitation (nm)	Emission (nm)	Compatible to
Oyster [®] 500	Monofunctional	500	527	FITC, Cy2 [™] , Alexa Fluor [®] 488,
Oyster [®] 550 Protein	Monofunctional	551	570	TRITC, Cy3 [™] , Alexa Fluor [®] 555
Oyster [®] 556	Monofunctional	556	570	TRITC, Cy3 [™] , Alexa Fluor [®] 555
Oyster [®] 645	Bifunctional	645	666	Cy5 [™] , Alexa Fluor [®] 647
Oyster [®] 650 Protein	Monofunctional	651	670	Cy5 [™] , Alexa Fluor [®] 647
Oyster 656	Monofunctional	656	670	Cy5 [™] , Alexa Fluor [®] 647

Cy3[™] and Cy5[™] are trademarks of GE Healthcare, Alexa Fluor[®] is a registered trademark of Invitrogen Inc.

Custom labeling of peptides and oligonucleotides is available; other labels, e.g. FITC or biotin, may also be used. Please contact us for details.

Storage

The antibody conjugate is transferred to your buffer of choice, usually PBS buffer, pH 7.4 including 15 mg/ml BSA and 0.05% sodium azide for stabilization and preservation. Protect from light and store at 4°C. Under these conditions, the product should be stable for at least 3 months.

The coupling reaction will be performed according to established procedures, which usually yield a functional fluorescent antibody conjugate. However, the offer does not include any functional tests or optimization of the degree of labeling (DOL), which is provided in other offers.

Shipment

Transportation charges are separate. The conjugates are shipped on blue ice overnight (national) or within 4 days (US and Europe). Fees: Germany, € 15 (overnight express); Europe, € 60 and USA € 80.

Introductory offer includes:

Antibody dialysis into the coupling buffer
Concentration
Reaction with dye (or biotin)
Sample purification
Concentration and transfer in storage buffer
Determination of the degree of labeling (DOL)

Only EURO 199.00

Custom labeling PLUS functionality check:

Additionally, we offer an optional affinity check. We immobilize the antigen on a protein chip and demonstrate the binding of the antibody to its antigen via surface plasmon resonance (SPR). This qualitative method ensures that it is a working conjugate. The antigen must also be provided by the customer.

Only EURO 499.00

Kinetic interaction analysis (kon/koff):

In this package, we provide determination of the association and dissociation constants for your custom-labeled or any other conjugate, including affinity constant calculation by surface plasmon resonance (SPR)*.

EURO 1,999.00

* Antigen and standard regeneration conditions to be provided by the customer.

These services apply in connection with the Terms of Conditions of sale.

This product is for research use only.

Not recommended or intended for diagnosis of disease in humans or animals. Do not use internally or externally in humans or animals.

Several of Denovo Biolabels products and product applications are covered by German and foreign patents and patents pending. No licensing agreement is necessary for use of Oyster®-500, -556, -645 and -656 as long as our products are utilized to produce another value added product for research or resale. For resale of our unmodified products as well as for all products involving Oyster®-550 or -650, a specific agreement or licensing agreement from Denovo Biolabels is necessary. All names containing the designation ® are registered with the German Patent and Trademark Office.

Copyright 2006, Denovo Biolabels GmbH. All rights reserved. This information is subject to change without notice.

For further information please contact our technical support or visit our website: www.biolabels.com

Denovo Biolabels GmbH

Mendelstr. 7

48149 Muenster, Germany

Phone +49 (0)251 980 2918

Fax +49 (0)251 980 2917